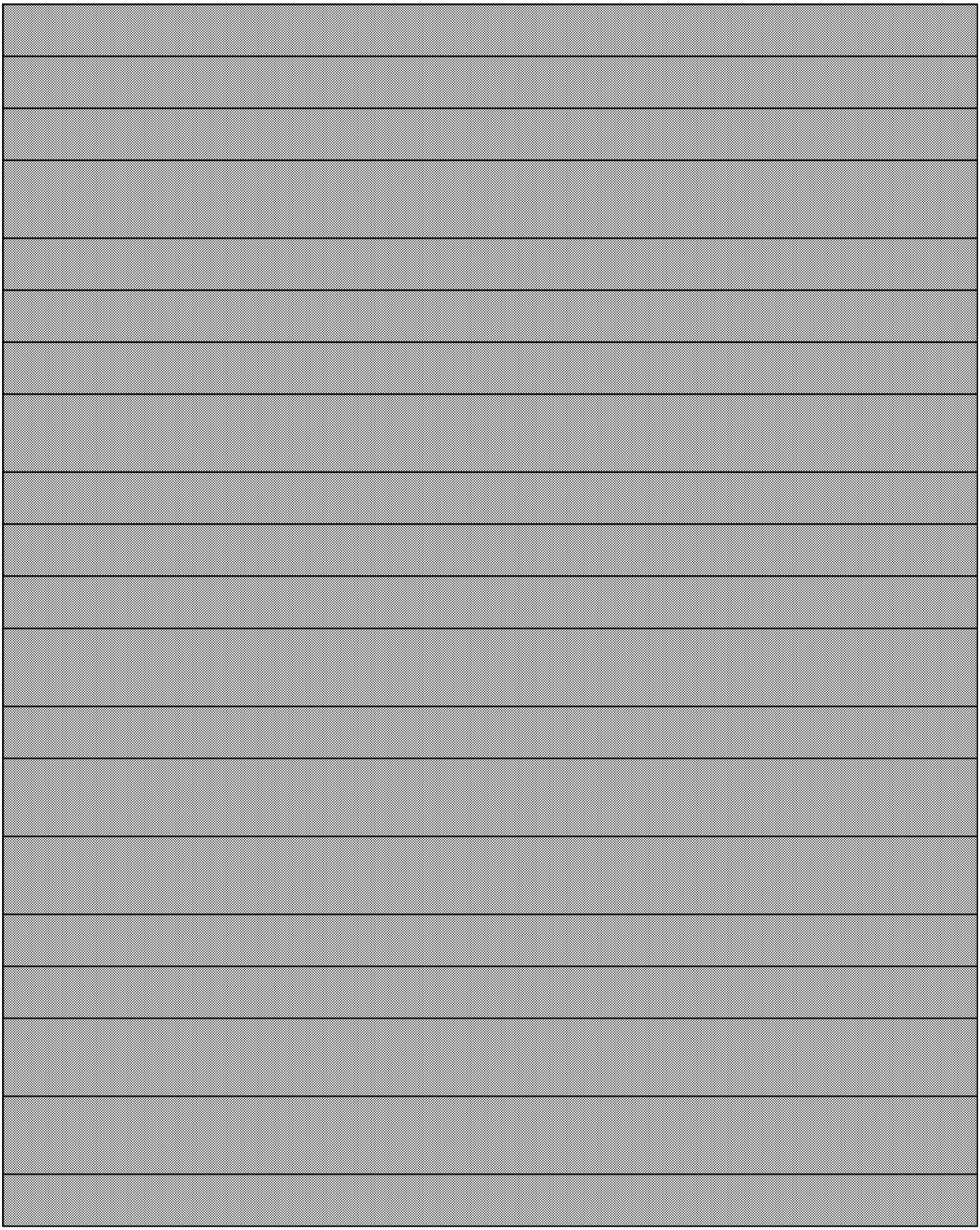

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Exposure to environmental risk factors such as herbicides in early life has been proposed to play important roles in the d
Environmental paraquat (PQ) exposure has been suggested to be a potential risk factor for neurodegenerative disorders
OBJECTIVE: The aim of this study was to explore the effects of selenium (Se) on locomotor activity and DNA damage in a
Paraquat (PQ) is an agrochemical agent commonly used worldwide, which is allied to potential risks of intoxication. This
The goal of this study was to analyze the effects of prenatal exposure to the pesticides paraquat (PQ) and mancozeb (MZ
OBJECTIVE: To explore the damages of paraquat to the learning and memory ability of developing mice and explore the p
Paraquat (PQ) administration consists in a chemical model that mimics phenotypes observed in Parkinson's disease (PD),
Lung injury is the main manifestation of paraquat poisoning. Few studies have addressed brain damage after paraquat p
Mutations in the gene parkin in humans (PARK2) are responsible for a large number of familial cases of autosomal-recess
In the present work, we investigated developmental toxicity of Paraquat (PQ), from the 1st or 6th day of mating and thro
Spirulina (Arthrospira platensis) is a cyanobacterium (blue-green alga) consumed by humans and other animals because
Leucine-rich repeat kinase 2 (LRRK2) has been linked to familial and sporadic Parkinson's disease. However, it is still unre
Paraquat (PQ) is a nonselective bipyridyl herbicide widely used in agriculture to control weeds, but its accidental, occupa
Parkinson's disease is one of the most common neurodegenerative disease found in aged peoples. Plentiful studies are b
Pesticide exposure is a risk factor of Alzheimer's disease (AD). However, little is known about how pesticide exposure ma

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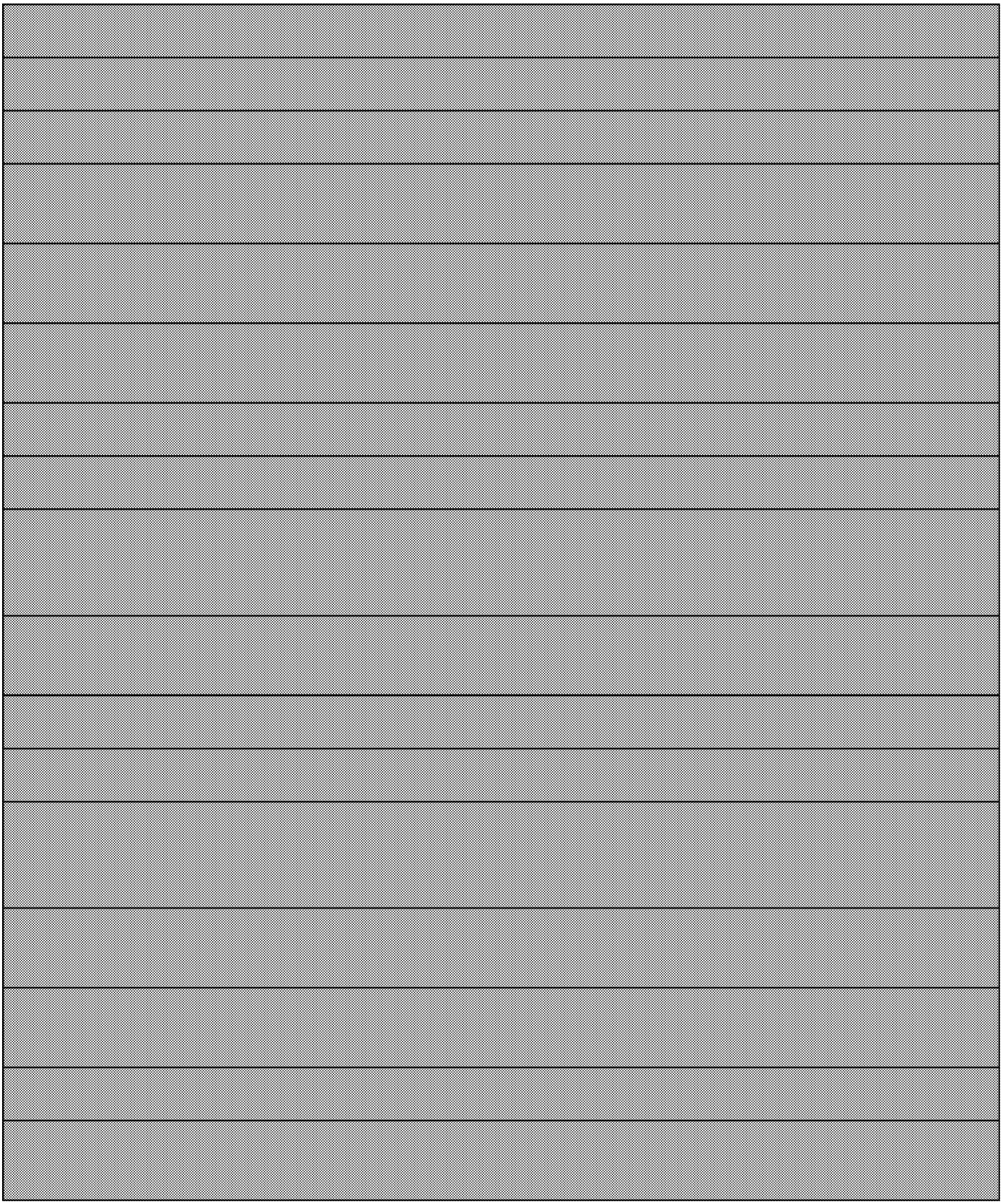

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Contact herbicide paraquat (DQ) is bipyridylium compound, which undergoes redox metabolism; hence enlarged in hum
Oxidative stress (OS) impact on a single neuron's function in vivo remains obscure. Using C. elegans as a model organism
Considering the antioxidant properties of sodium selenite (Na2SeO3) and the involvement of oxidative stress events in p
Objectives: To assess the Parkinson like locomotor and mitochondrial alterations, associated with the exposure of paraqu
The neurotoxic effects of chronic exposure to subcutaneous administration of low doses of paraquat on motor behavior a
Parkinson's disease involves intracellular deposits of alpha-synuclein in the form of Lewy bodies and Lewy neurites. The e
A lack of evidence supporting a role of heritability in the development of idiopathic Parkinson's disease (PD) has implicat
Mutations in parkin are currently recognized as the most common cause of familial Parkinsonism. Emerging evidence als
Both genetic and environmental factors are thought to be involved in the aetiology of Parkinson's disease (PD). Oxidative
Parkinson's disease (PD) is one of the common neurodegenerative diseases that result in the progressive damage of dop
Parkinson disease (PD) is a neurodegenerative disease characterized by death of dopaminergic neurons in the substantia
Epidemiological studies indicate a role of genetic and environmental factors in Parkinson's disease involving alterations c
Mitochondrial dysfunction has been frequently implicated in the neurodegenerative process that underlies Parkinson's d
Parkinson's disease (PD) is characterized by loss of A9 dopaminergic (DA) neurons in the substantia nigra pars compacta (
Parkinson's disease is associated with mitochondrial decline in dopaminergic neurons of the substantia nigra. One of the

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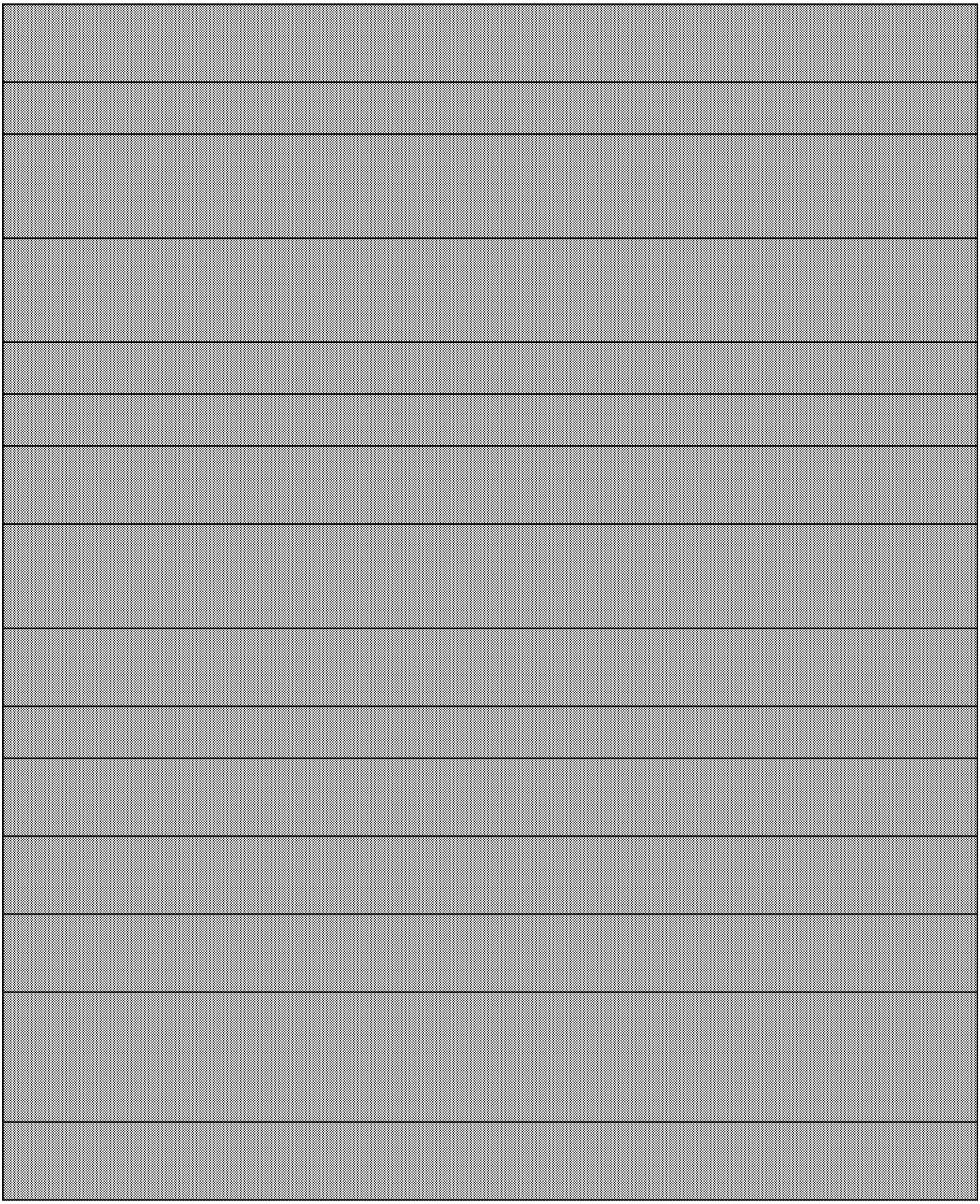

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Paraquat (PQ) and maneb (MB) are able to induce neurotoxic effects by promoting alpha-synuclein (alpha-syn) aggregate
Epidemiological studies have suggested a correlation of pesticides and Parkinson's disease (PD) while genetic and bioche
Oxidative stress (OS) stimulates autophagy in different cellular systems, but it remains controversial if this rule can be ge
Currently, most neurotoxicological investigations are still conducted using various animal models (e.g. chickens, rodents)
We examined effects of three structurally related pyridinium compounds, 1-methyl-4-phenylpyridinium (MPP+), paraqua
Apoptosis plays an important role in neurodegeneration, although the mechanisms and mediators in the brain are largel
Paraquat was taken up by PC12 cells in a carrier-mediated, saturable manner. When PC12 cells were permeabilized with
Although paraquat has been shown to cause oxidative damage to neuronal cells, little is known about its effect on glial ce
Drugs and certain environmental toxins may be responsible for the pathogenesis of Parkinson's disease. We have used p
The effect of the induction of i-NOS in primary glial cultures was studied with respect to the protein levels of reactive oxy
Paraquat (PQ) is a well described pneumotoxicant that produces toxicity by redox cycling with cellular diaphorases, there
The excitatory amino acid glutamate serves important neurologic functions, but overactivation of its N-methyl-D-asparta
Various structurally unrelated chemicals [2,5 hexandione, acrylamide, organophosphates like mipafox, beta,beta iminodi
Recent etiological study in twins (Tanner et al. 1999) strongly suggests that environmental factors play an important role
Recent studies have demonstrated that inhibition of the proteasome, an enzyme responsible for the majority of intracell
Treatment of neuroblastoma cells with the copper chelator triethylene tetramine tetrahydrochloride induced intracellula
SH-SY5Y cells transfected with the enzymatically inactive Cu,Zn superoxide dismutase mutant H46R were more resistant
Using the inactivation of mitochondrial and cytosolic aconitases as markers of compartment-specific superoxide (O2(-)) p
Oxidative stress caused by an increase in free radicals plays an important role in neuronal death. We investigated the eff
PURPOSE: In a recent study, it was demonstrated that docosahexaenoic acid (DHA) promotes the survival of retinal photo
Oxidative stress has been discussed as crucial mechanism of neuronal cell death in the adult brain. However, it was not c
Oxidative stress is supposed to play an important role in demyelinating diseases. Oligodendrocytes are the myelin-formi

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